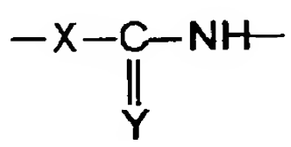
CLAIMS

1. A resin composition comprising:
(A) particles prepared by bonding at least one oxide of an element selected from the group consisting of silicon, aluminum, zirconium, titanium, zinc, germanium, indium, tin, antimony, and cerium, and an organic compound which includes a polymerizable unsaturated group,
(B) an oligomer-type radiation polymerization initiator having a site which generates photo-radicals by irradiation of radioactive rays, and
(C) a compound having at least two polymerizable unsaturated groups in the molecule.

2. The resin composition according to claim 1, wherein said organic compound includes the group shown by the following formula (1) in addition to the polymerizable unsaturated group,



(1)

wherein X represents NH, O (oxygen atom), or S (sulfur atom), and Y represents O or S.

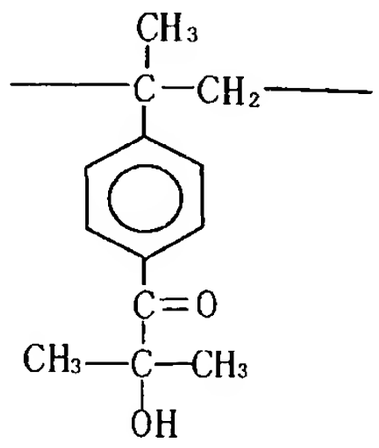
3. The resin composition according to claim 1, wherein the organic compound includes a group represented by [-O-C(=O)-NH-] and at least one of the groups represented by [-O-C(=S)-NH-] or [-S-C(=O)-NH-].

4. The resin composition according to claim 1,

wherein the organic compound is a compound having a silanol group or a compound which forms a silanol group by hydrolysis.

5. The resin composition according to claim 1, wherein the weight average molecular weight of the oligomer-type radiation polymerization initiator is in the range from 400 to 10,000.

6. The resin composition according to claim 1, wherein the recurring unit in the oligomer-type radiation polymerization initiator (B) is a divalent organic group shown by the following formula (3).



(3)

7. Use of the resin composition as defined in claim 1 for producing cured products.

8. A cured product produced by curing the resin composition according to claim 1.